

AMENDMENTS TO THE CLAIMS

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently Amended) A method for backup of Home Location Register (HLR), comprising: configuring a ~~universal~~ common HLR as a disaster recovery center HLR which is used to backup multiple active HLRs, then establishing network connections between each of the multiple operating active HLRs and said disaster recovery center HLR, and then loading subscriber data of each of the multiple active HLRs to said disaster recovery center HLR through uniform-formatted text files which describe standard services of the protocol in a standard format;

During normal operation, synchronizing varied data of ~~said active~~ each of the multiple active HLRs to said disaster recovery center HLR;

If one HLR of the multiple ~~[[an]]~~ active HLRs fails, forwarding the signaling, which is sent to the one said fault active HLR of the multiple active HLRs, to the disaster recovery center HLR to process through modifying route configuration of ~~[[the]]~~ a corresponding service switching point;

recovering the data of ~~said active~~ the one HLR of the multiple active HLRs by said disaster recovery center HLR through uniform-formatted text files after ~~said active~~ the one HLR of the multiple active HLRs recovers, redirecting the signaling to ~~said active~~ the one HLR of the multiple active HLRs from said disaster recovery center HLR through modifying route configuration of the corresponding service switching point after the data of ~~[[said]]~~ the one active HLR of the multiple active HLRs and the disaster recovery center HLR is consistent.

2. (Currently Amended) A method for backup of HLR according to claim 1, wherein each of said uniform-formatted text files contains a special field for recording ~~the unique~~ special service in an ~~[[the]]~~ internal format of each of the multiple corresponding active HLRs.

3. (Currently Amended) A method for backup of HLR according to claim 1, wherein ~~configure~~ each disaster recovery center HLR and each of the multiple operating active HLRs are configured with a communication device responsible for external communication, respectively, the

communication device of each of the multiple active HLRs is designed to convert varied subscriber data into uniform-formatted text files and store the uniform-formatted text ~~[[said]]~~ files under a ~~[[the]]~~ specified directory of each of the multiple active HLRs, the communication device of the disaster recover center HLR is designed to record IP addresses of ~~[[said]]~~ the multiple active HLRs through configuration files and obtaining the uniform-formatted text ~~[[said]]~~ files of varied subscriber data from said specified directory periodically.

4. (Currently Amended) A method for backup of HLR according to claim 1, wherein said uniform-formatted text files are stored in fixed length and transmitted between the disaster recovery center HLR and the multiple active HLRs through File Transfer Protocol.

5. (Currently Amended) A method for backup of HLR according to claim 1, wherein synchronizing the varied data of each of the multiple ~~[[said]]~~ active HLRs to said disaster recovery center HLR is implemented by transferring varied subscriber data with the ~~format of~~ uniform-formatted text files.

6. (Currently Amended) A method for backup of HLR according to claim 1, wherein the modifying said modification of route configuration of the corresponding service switching point~~[[s]]~~ refers to automatic or manual signaling switching with different configuration method.

7. (Currently Amended) A method for backup of HLR according to claim 1, wherein ~~said operating~~ the multiple active HLRs and said disaster recovery center HLR are connected by private lines.